

1/27

FIG. 1A

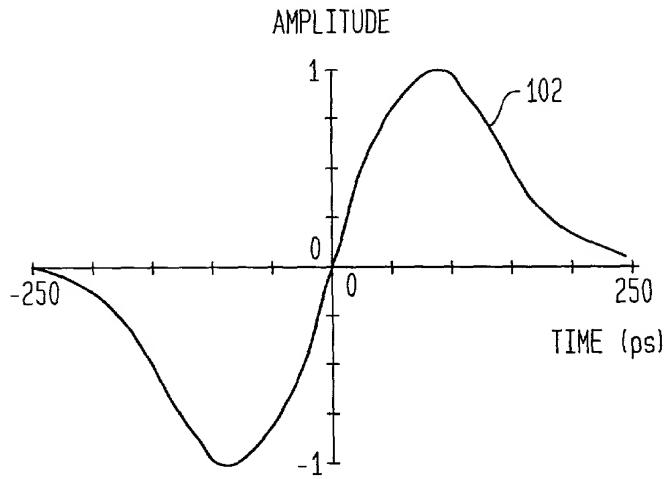
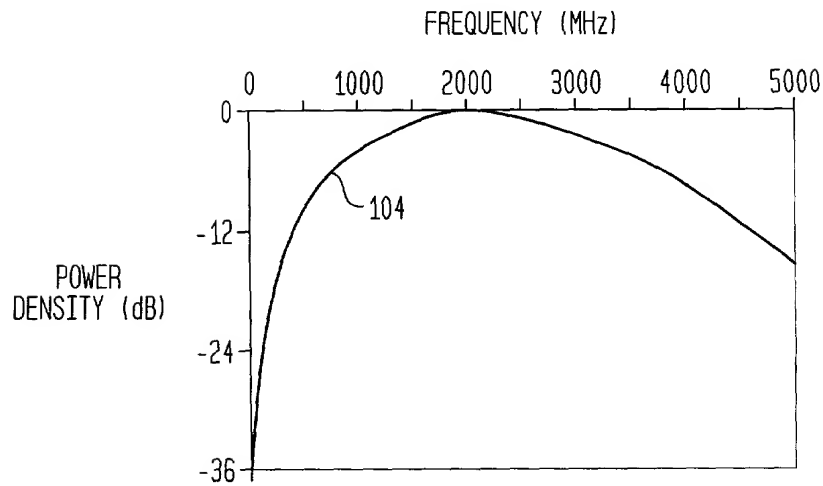


FIG. 1B



Appl No 09/761,766, Group Art Unit To be assigned  
 Dkt No 1659 0610001, Batch No.  
 Inventor James L. Richards, Tel 202/371-2600  
 Title System and Method for Medium Wide Band  
 Communication by Impulse Radio

2/27

FIG. 2A

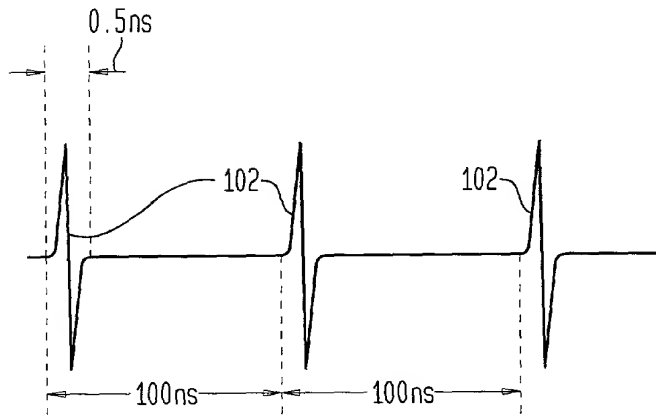


FIG. 2B

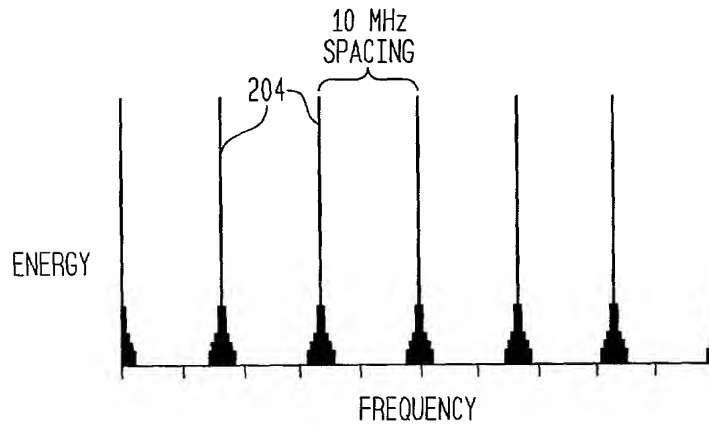


FIG. 3

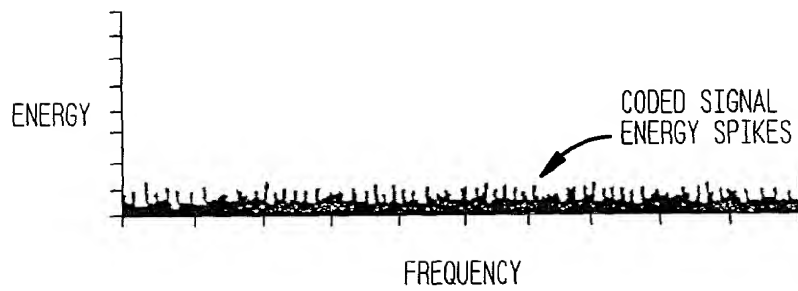
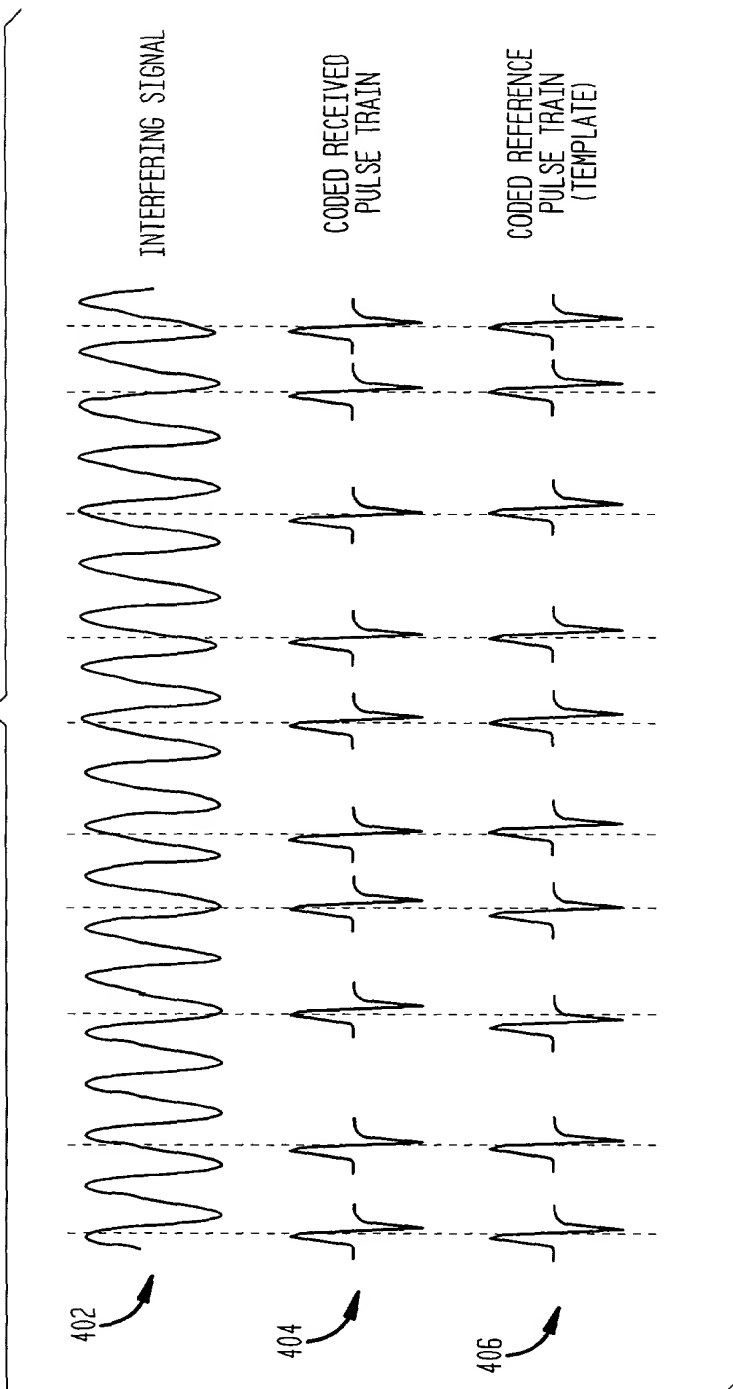


FIG. 4



4/27

FIG. 5A

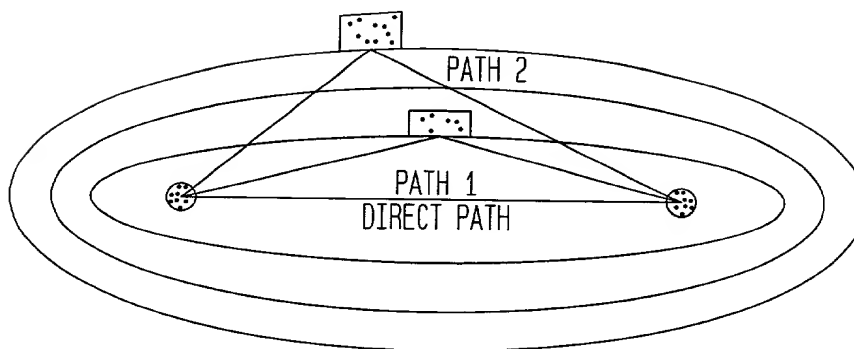
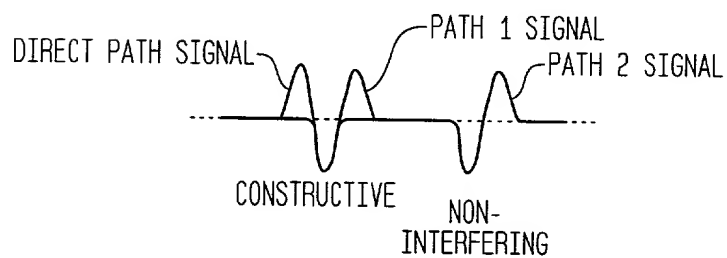


FIG. 5B



5/27

FIG. 7 IMPULSE RADIO RECEIVER

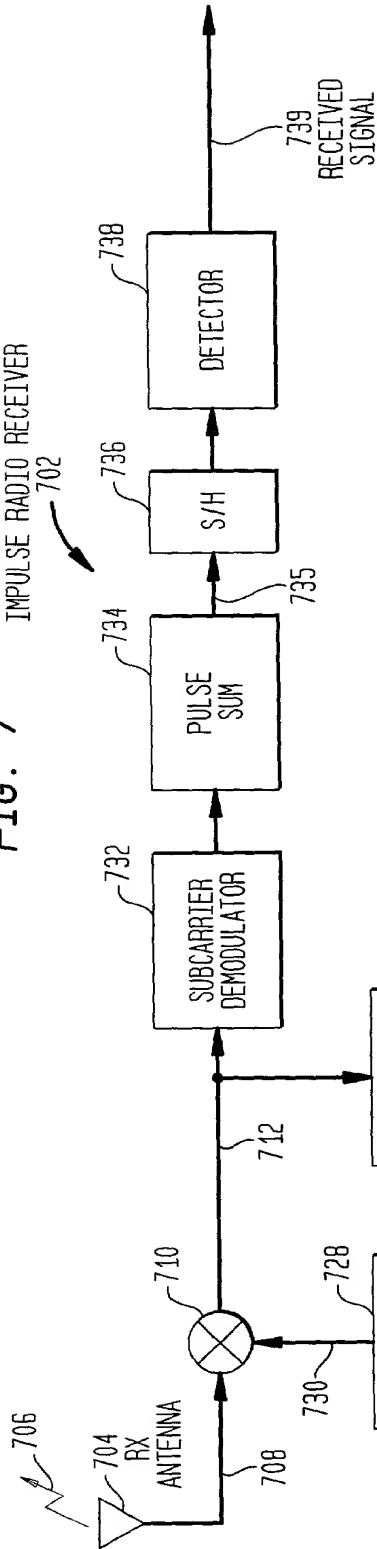
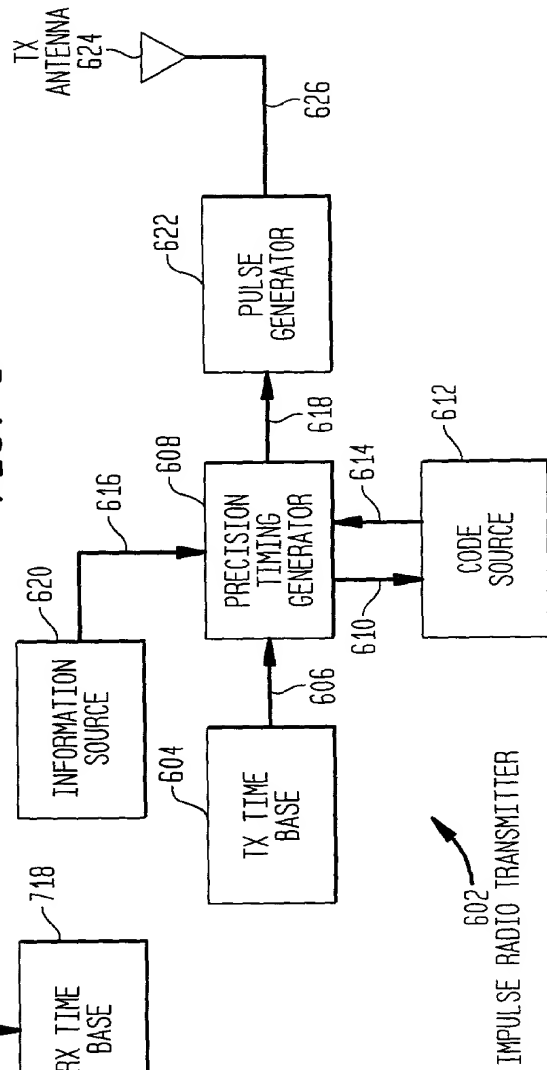


FIG. 6



IMPULSE RADIO TRANSMITTER

6/27

FIG. 8

MWB TRANSMITTER WITHOUT CODING

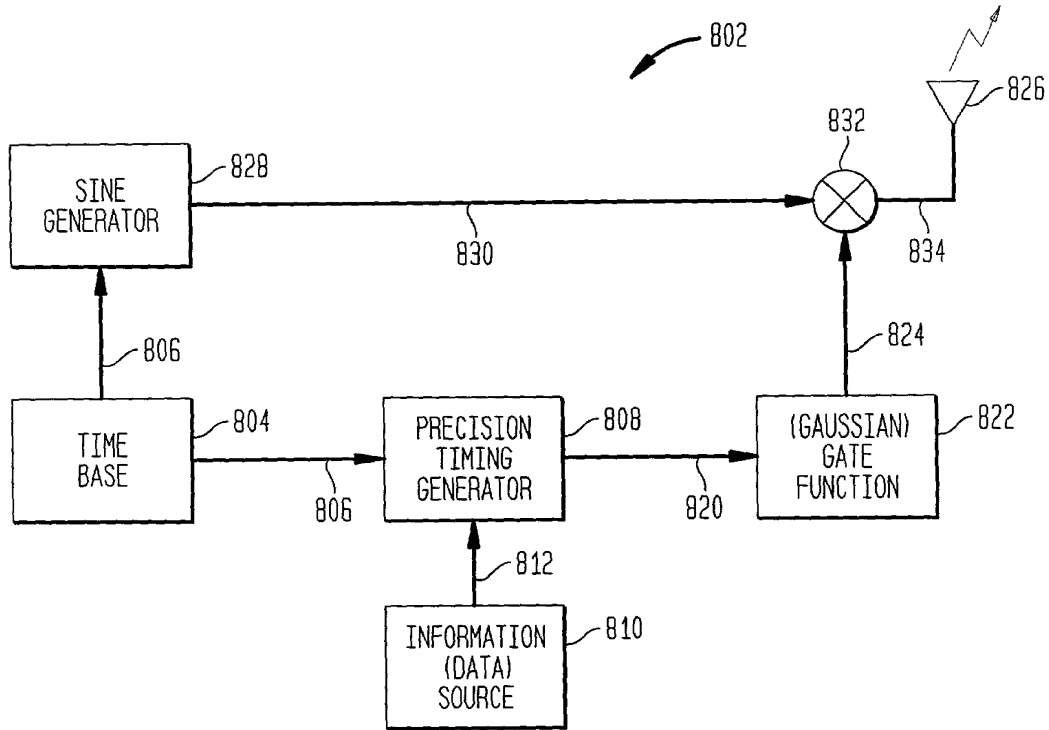
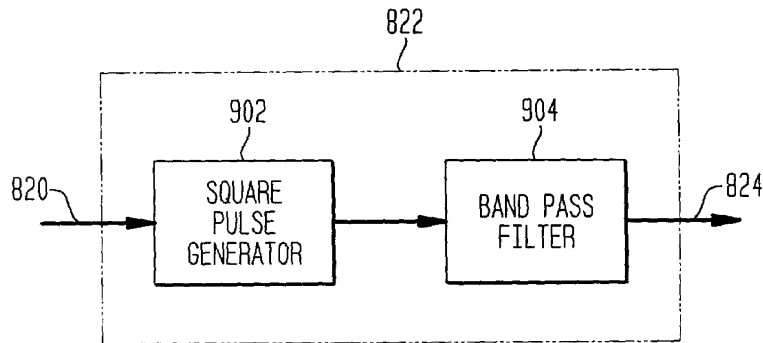
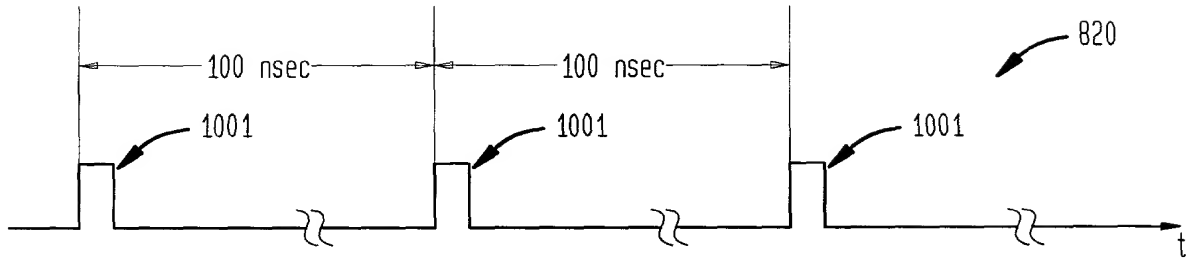


FIG. 9

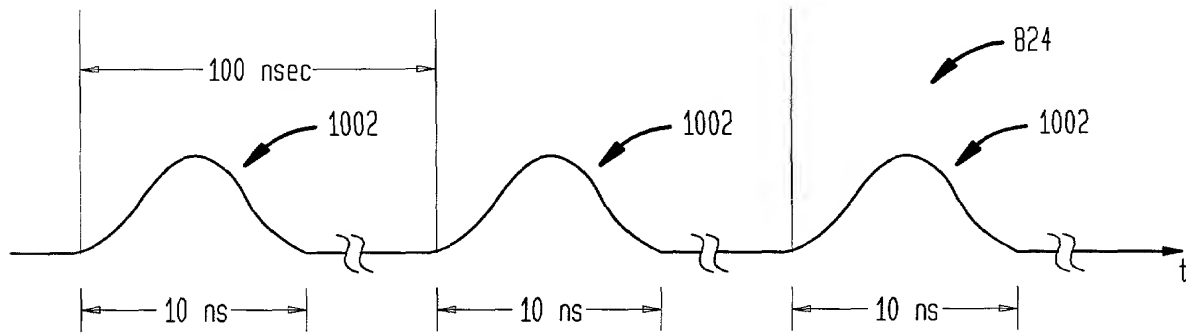


7/27

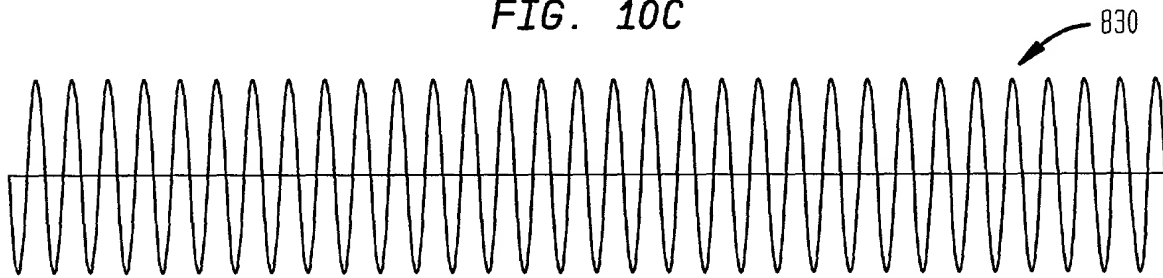
**FIG. 10A**



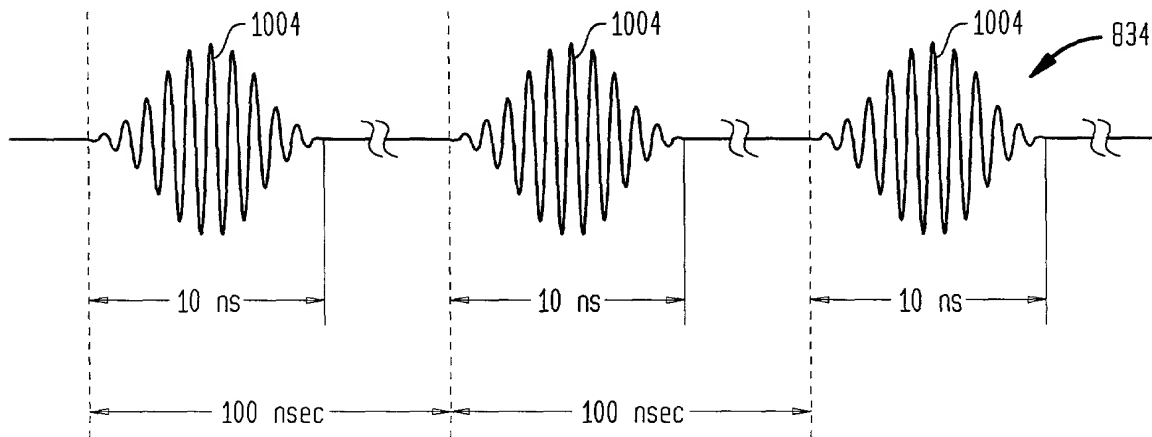
**FIG. 10B**



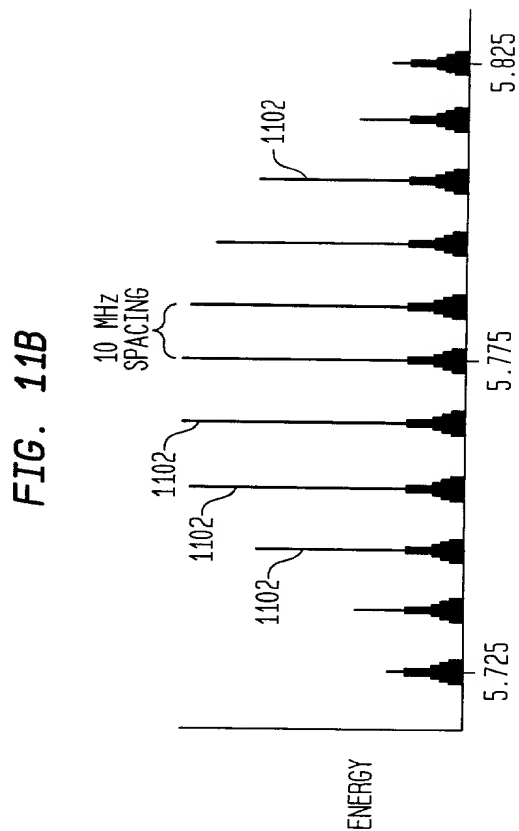
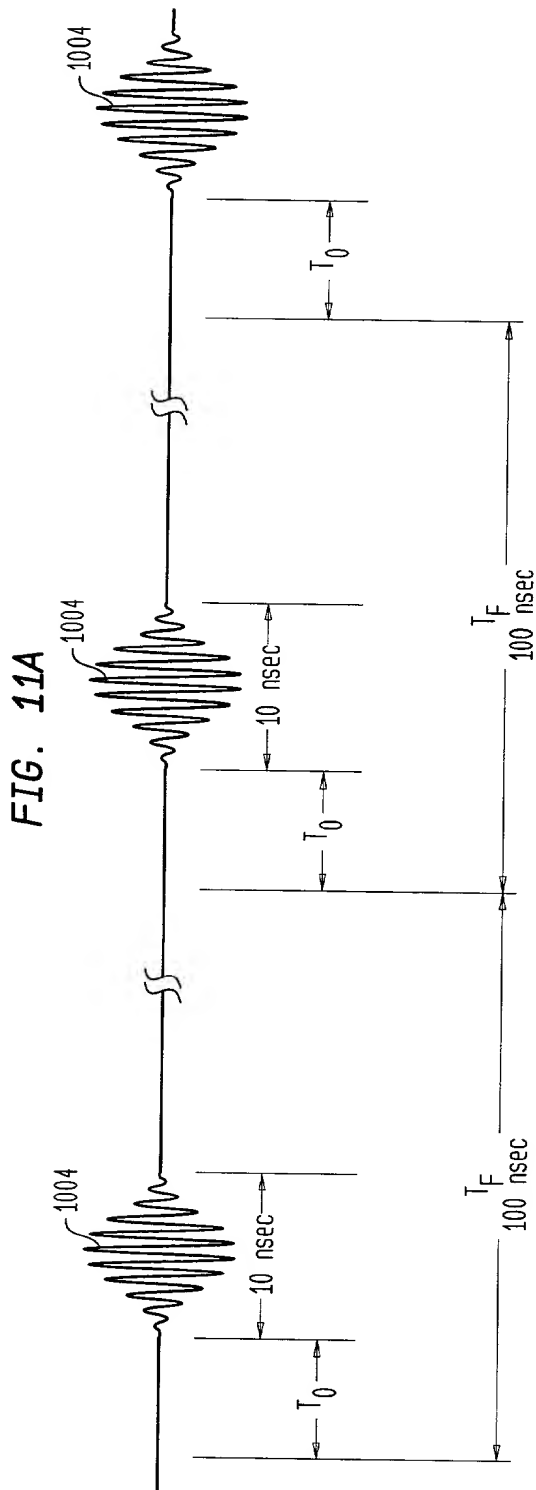
**FIG. 10C**



**FIG. 10D**



8/27

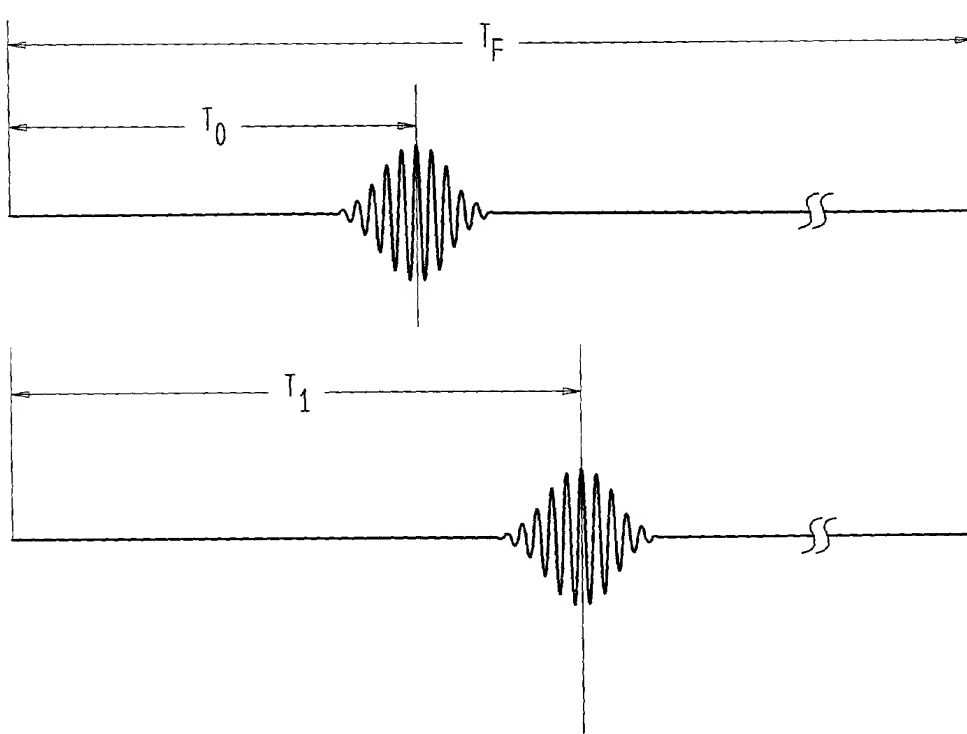




Appl No 09/761,766, Group Art Unit To be assigned  
 Dkt No 1659 0610001, Batch No.  
 Inventor James L. Richards, Tel 202/371-2600  
 Title. System and Method for Medium Wide Band  
 Communication by Impulse Radio

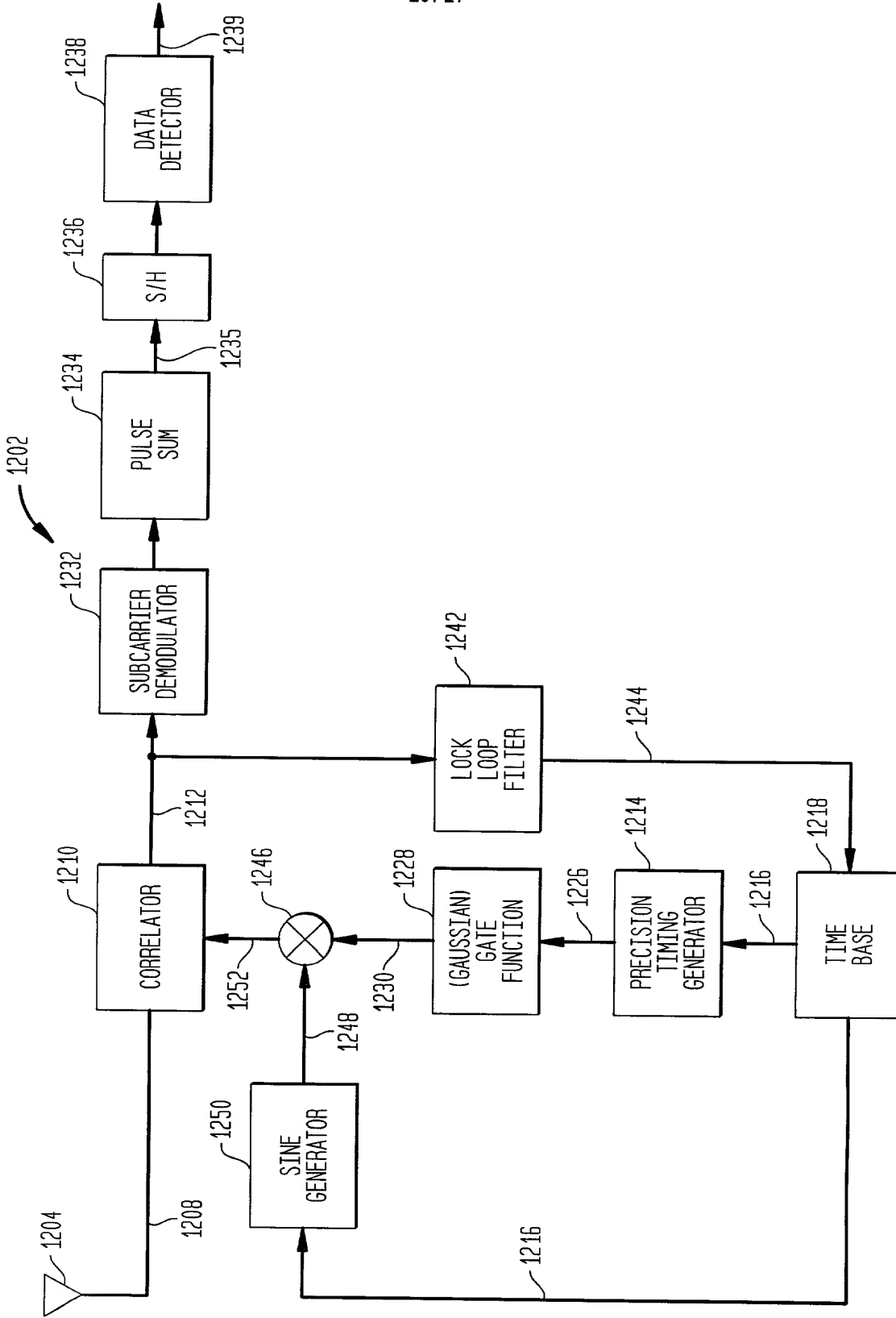
9/27

FIG. 11C



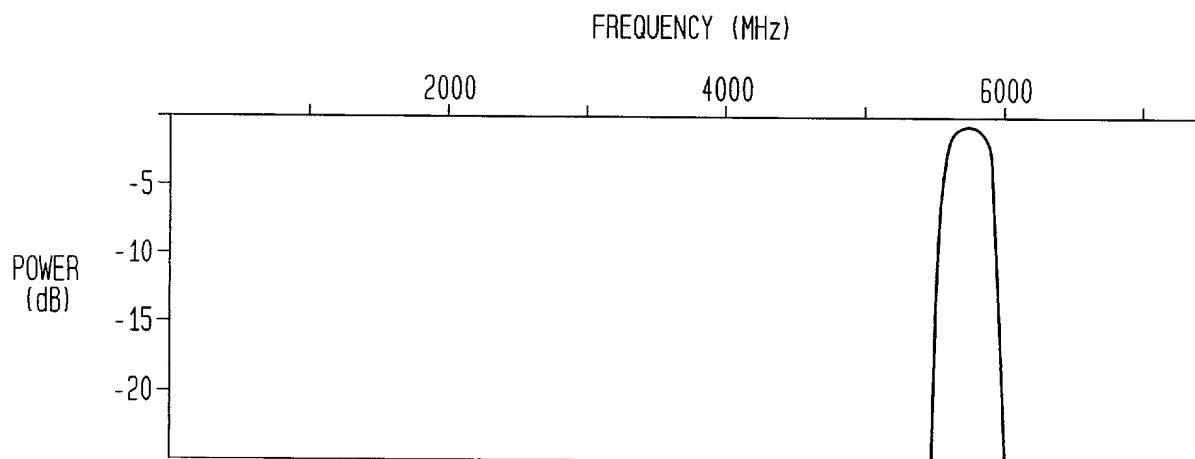
10/27

FIG. 12



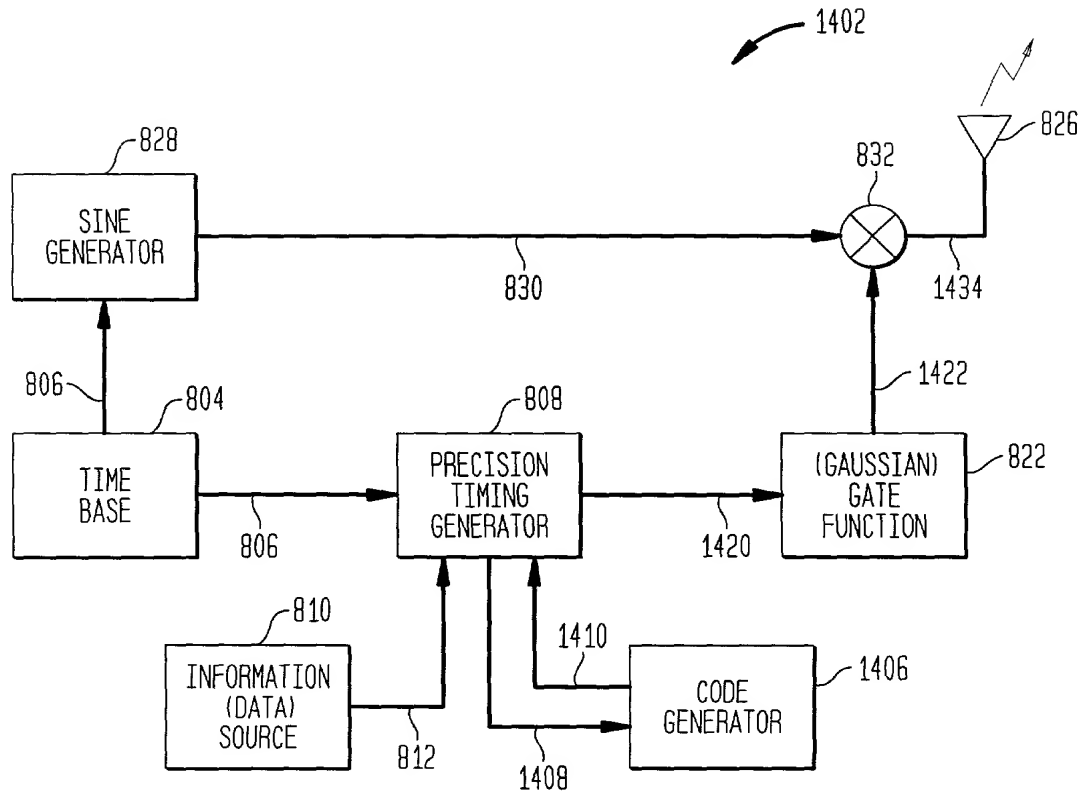
Appl No 09/761,766, Group Art Unit To be assigned  
Dkt No 1659 0610001, Batch No  
Inventor James L Richards, Tel 202/371-2600  
Title System and Method for Medium Wide Band  
Communication by Impulse Radio

11/27

*FIG. 13*

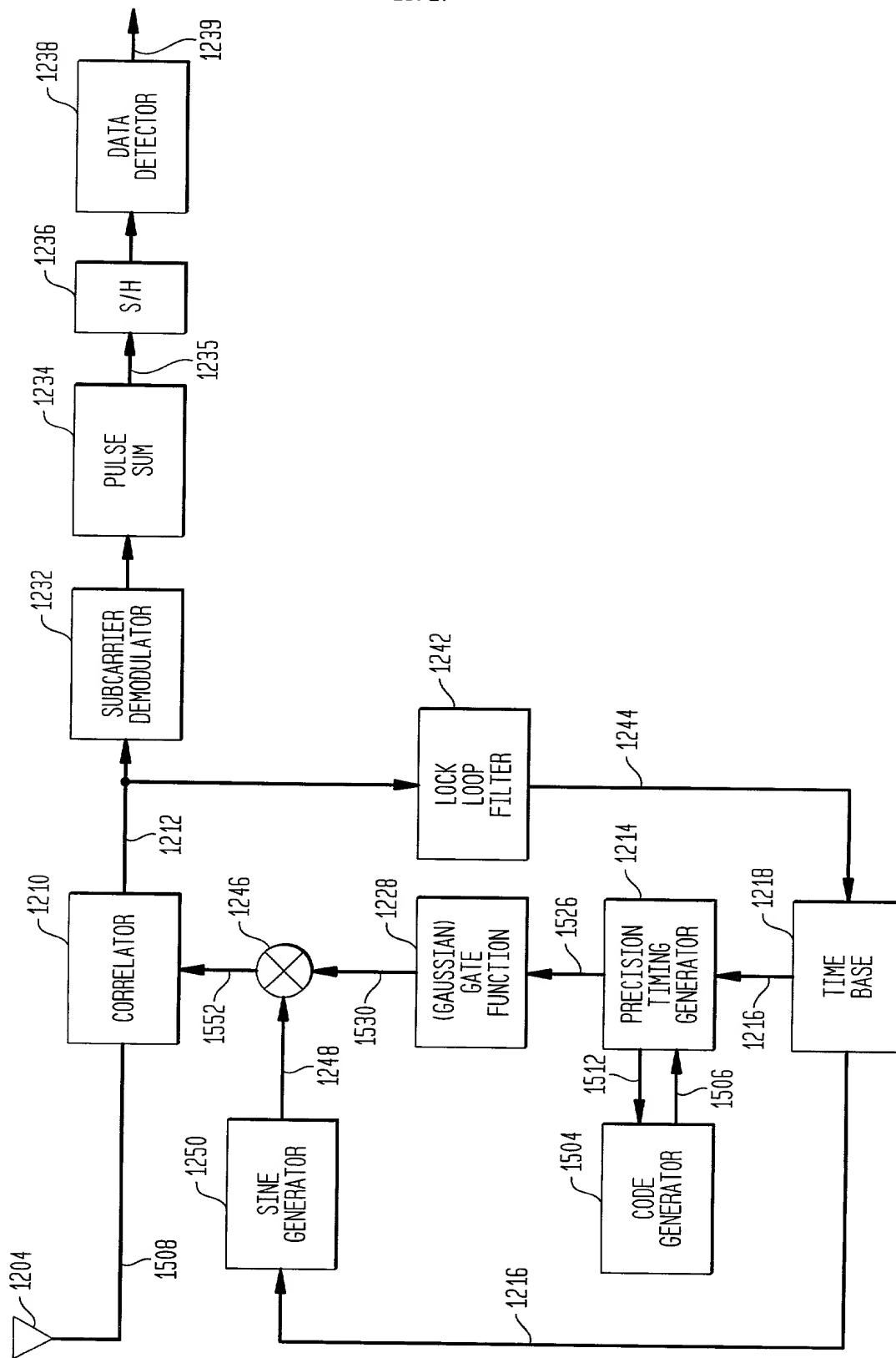
12/27

FIG. 14



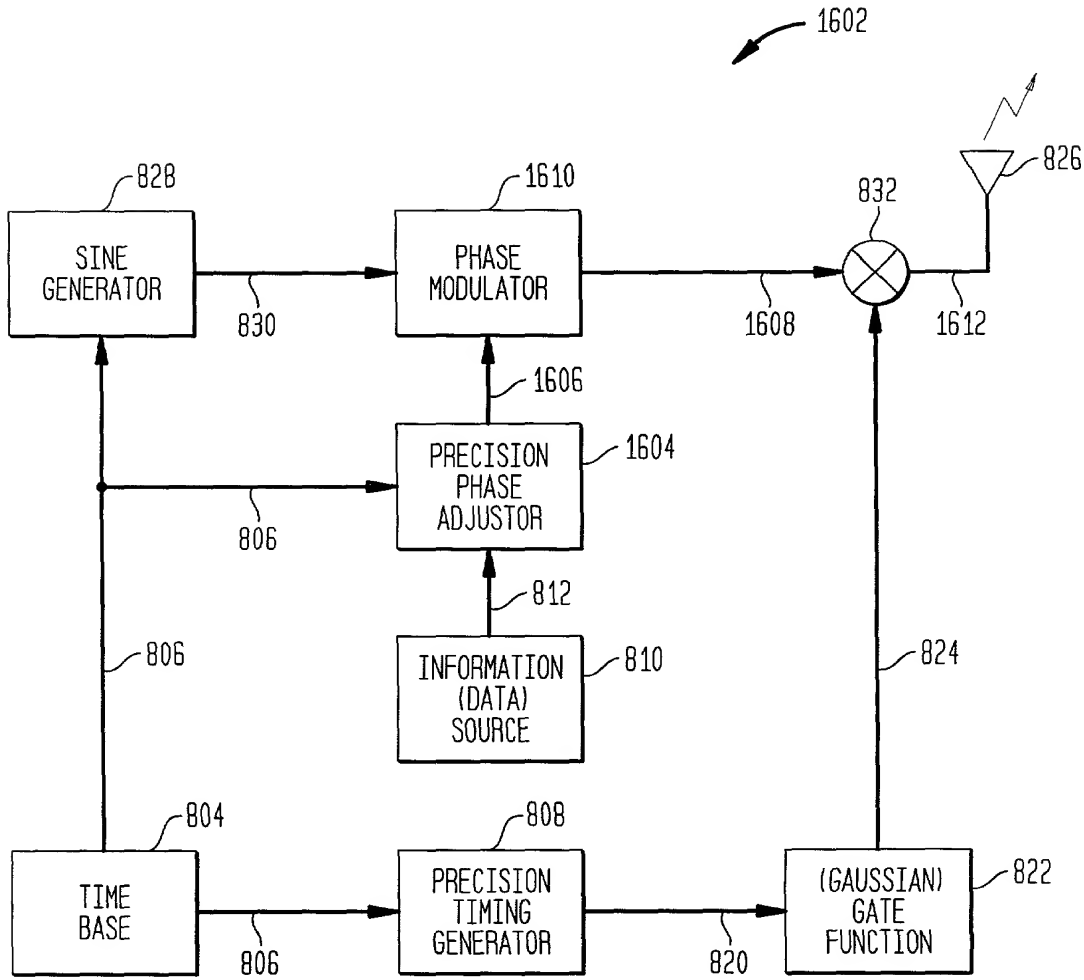
13/27

FIG. 15



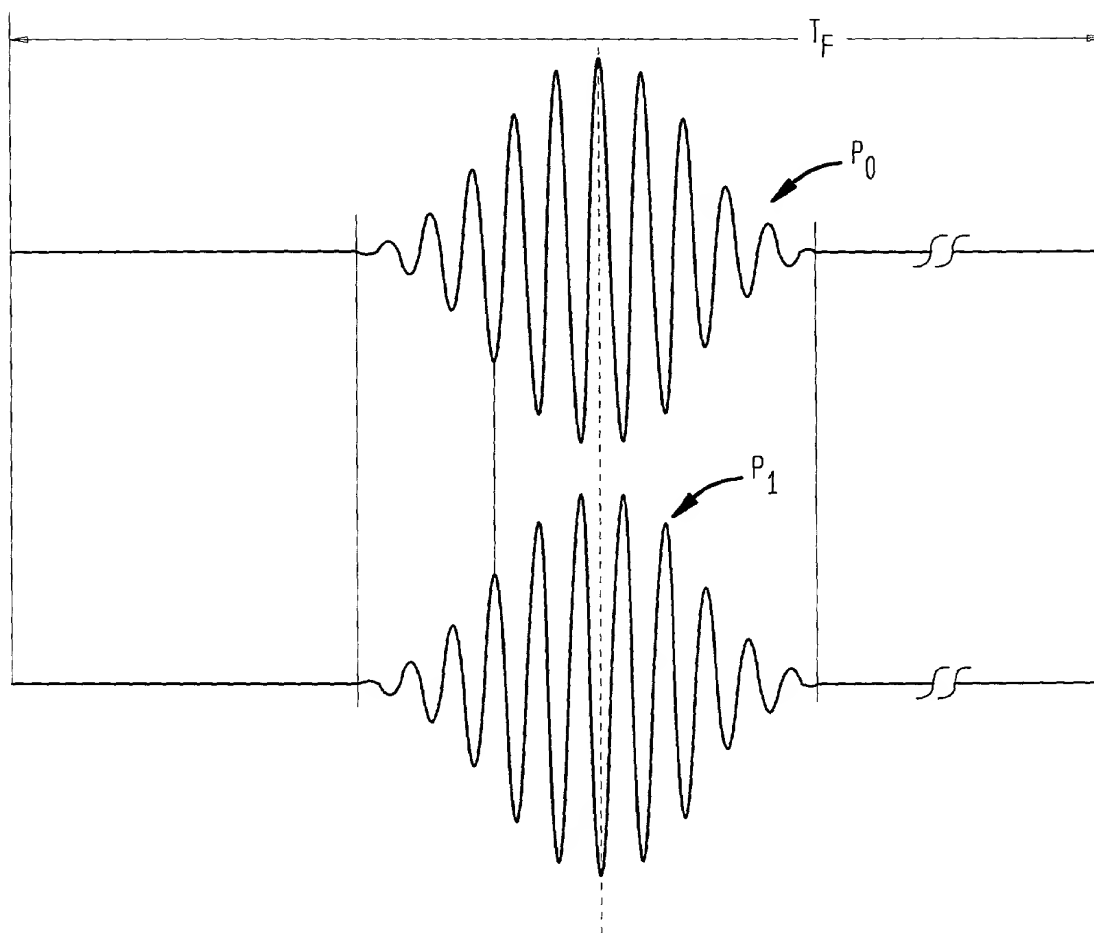
14/27

FIG. 16



15/27

FIG. 17



16/27

FIG. 18

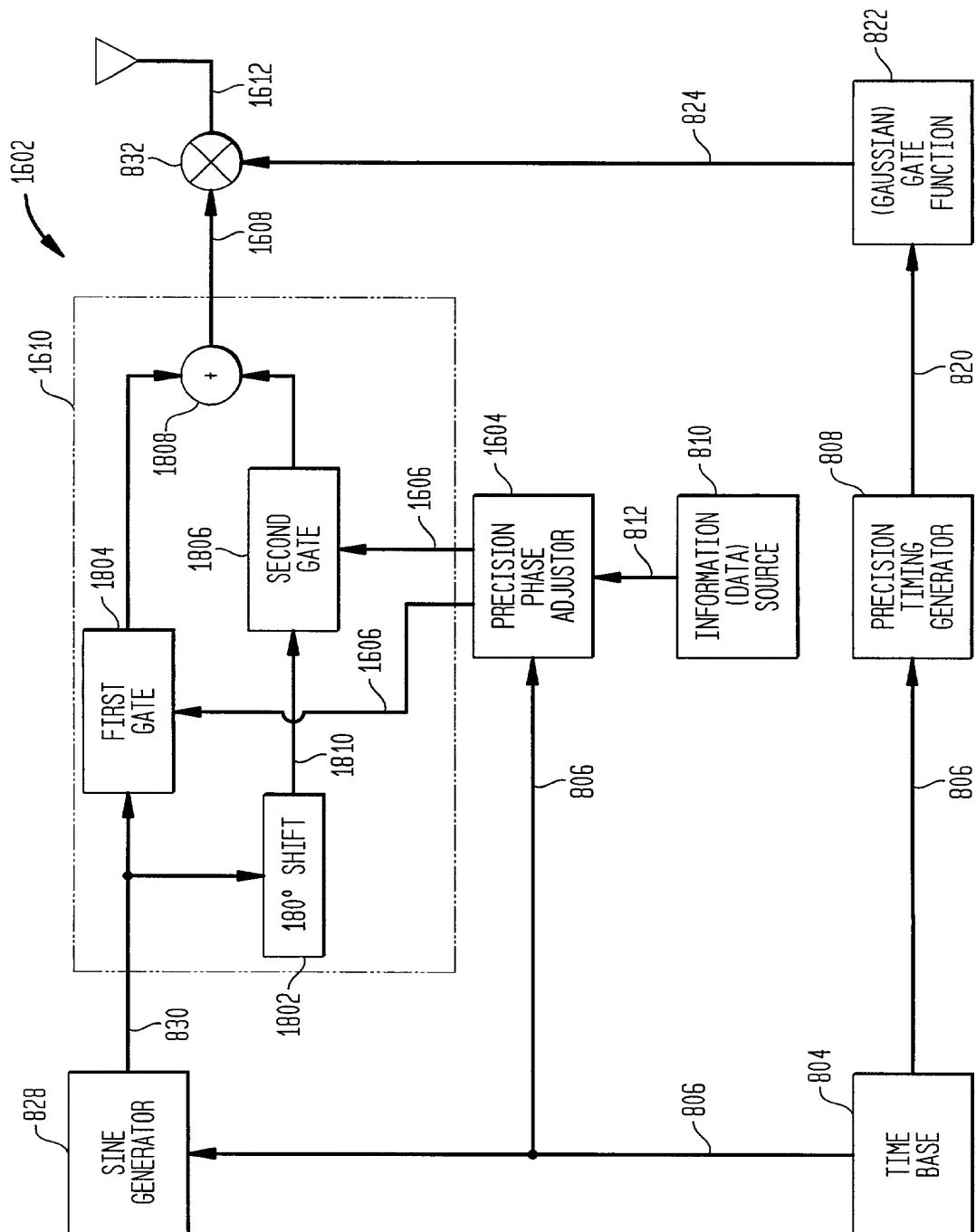
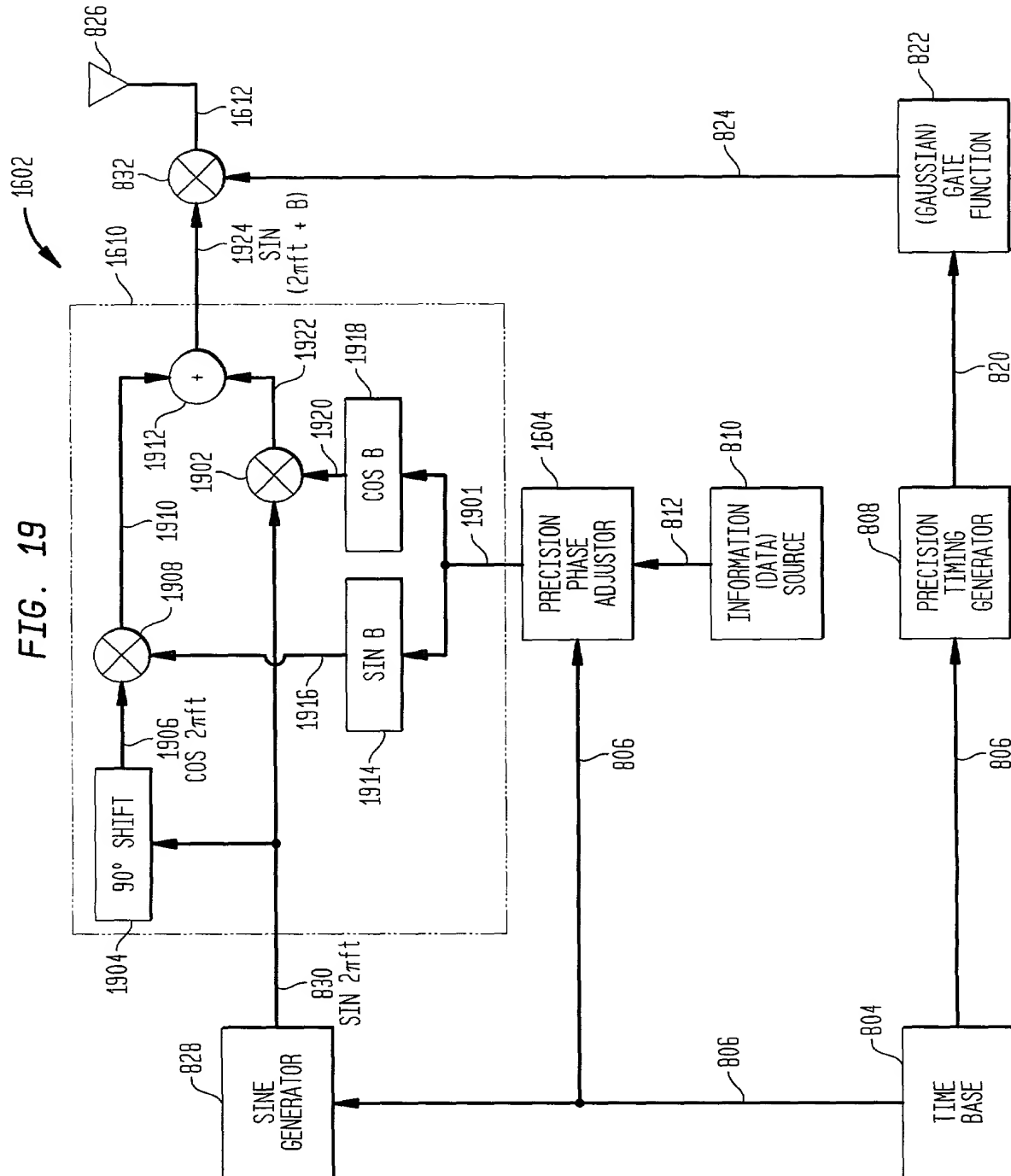


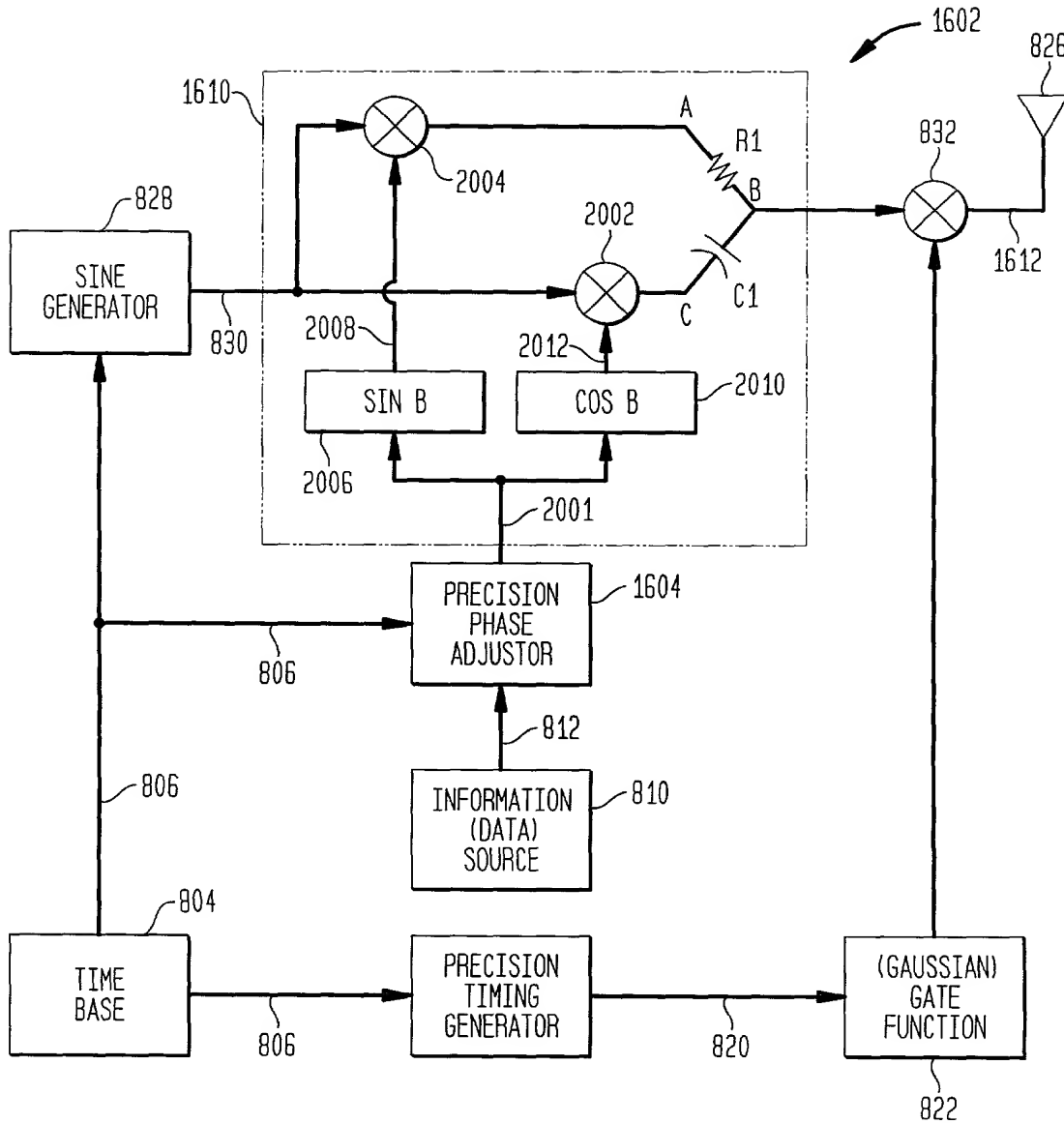


FIG. 19



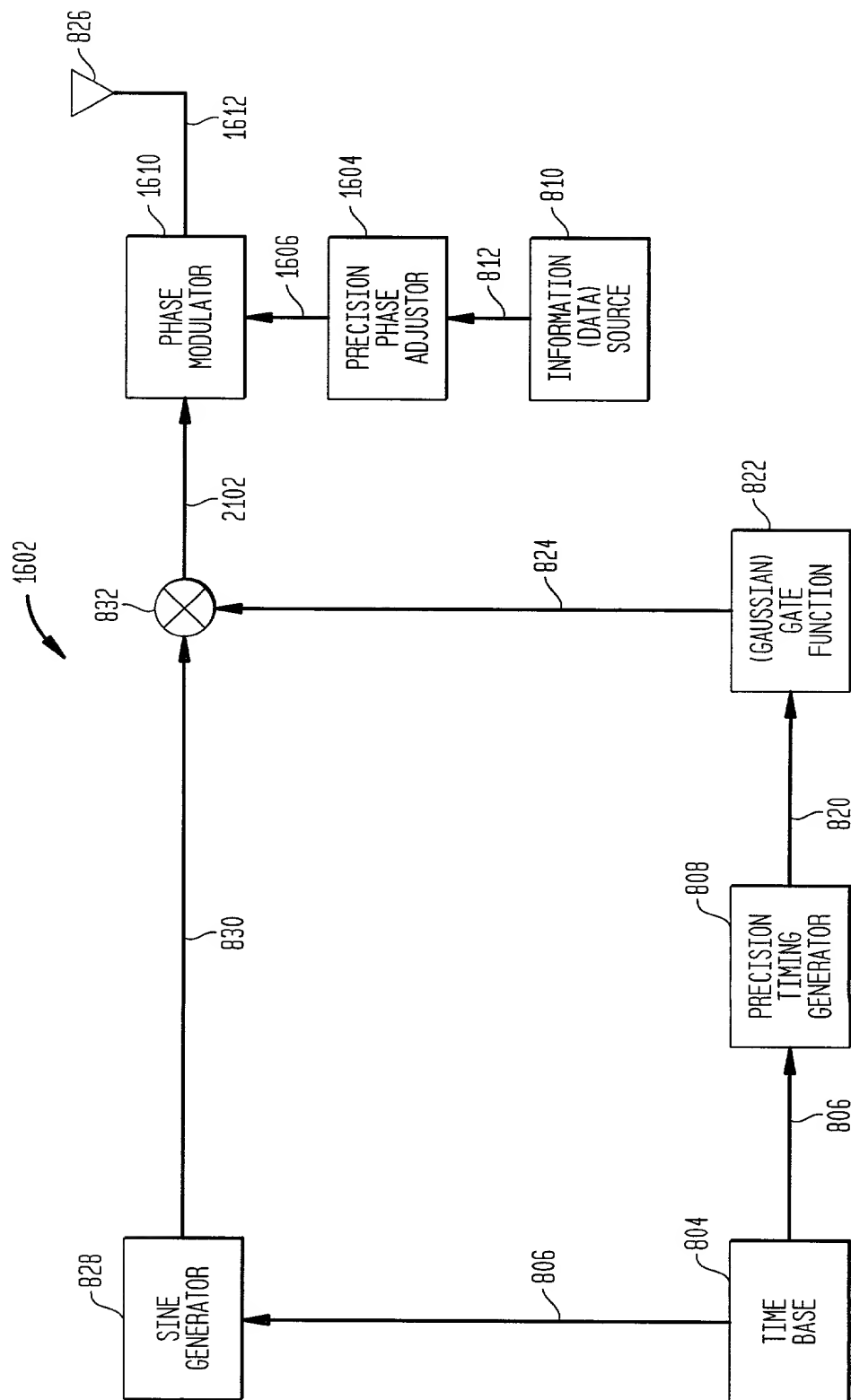
18/27

FIG. 20



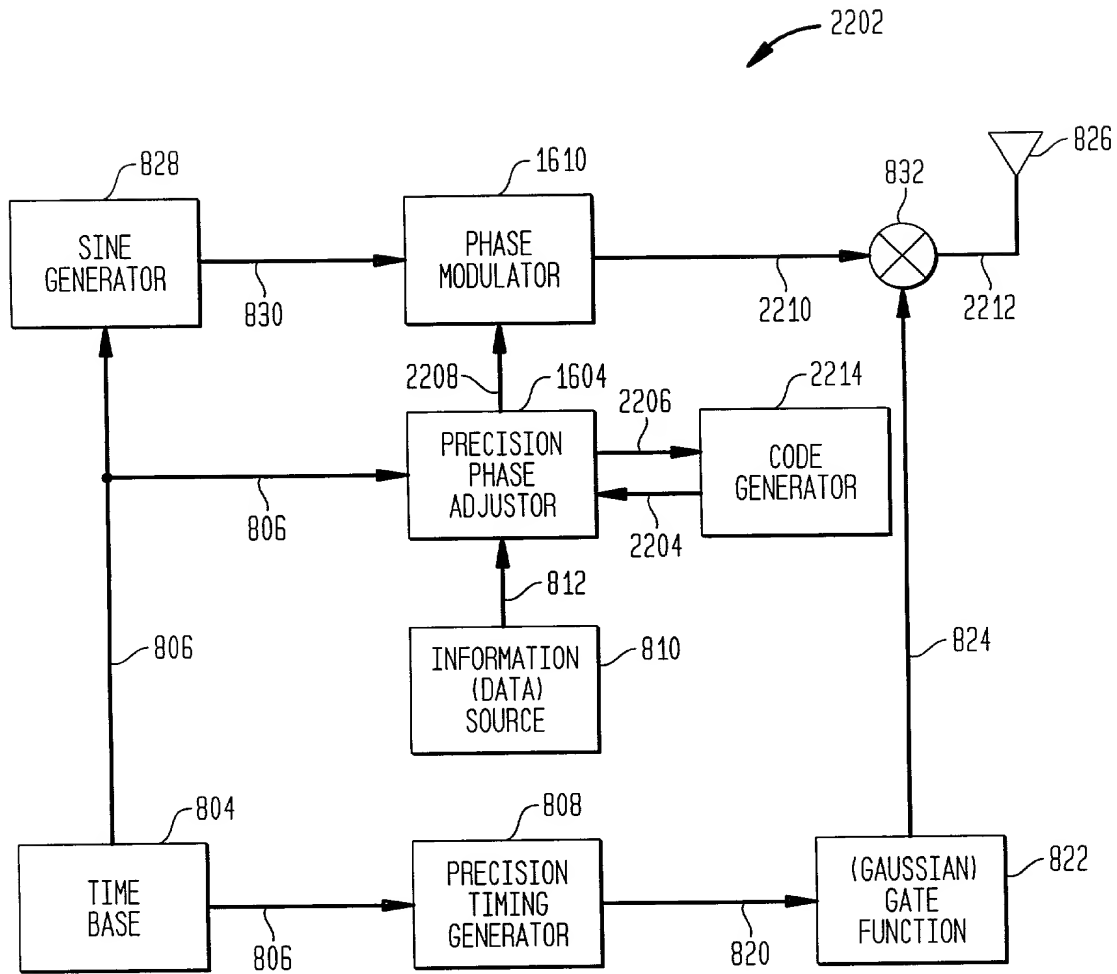
19/27

FIG. 21



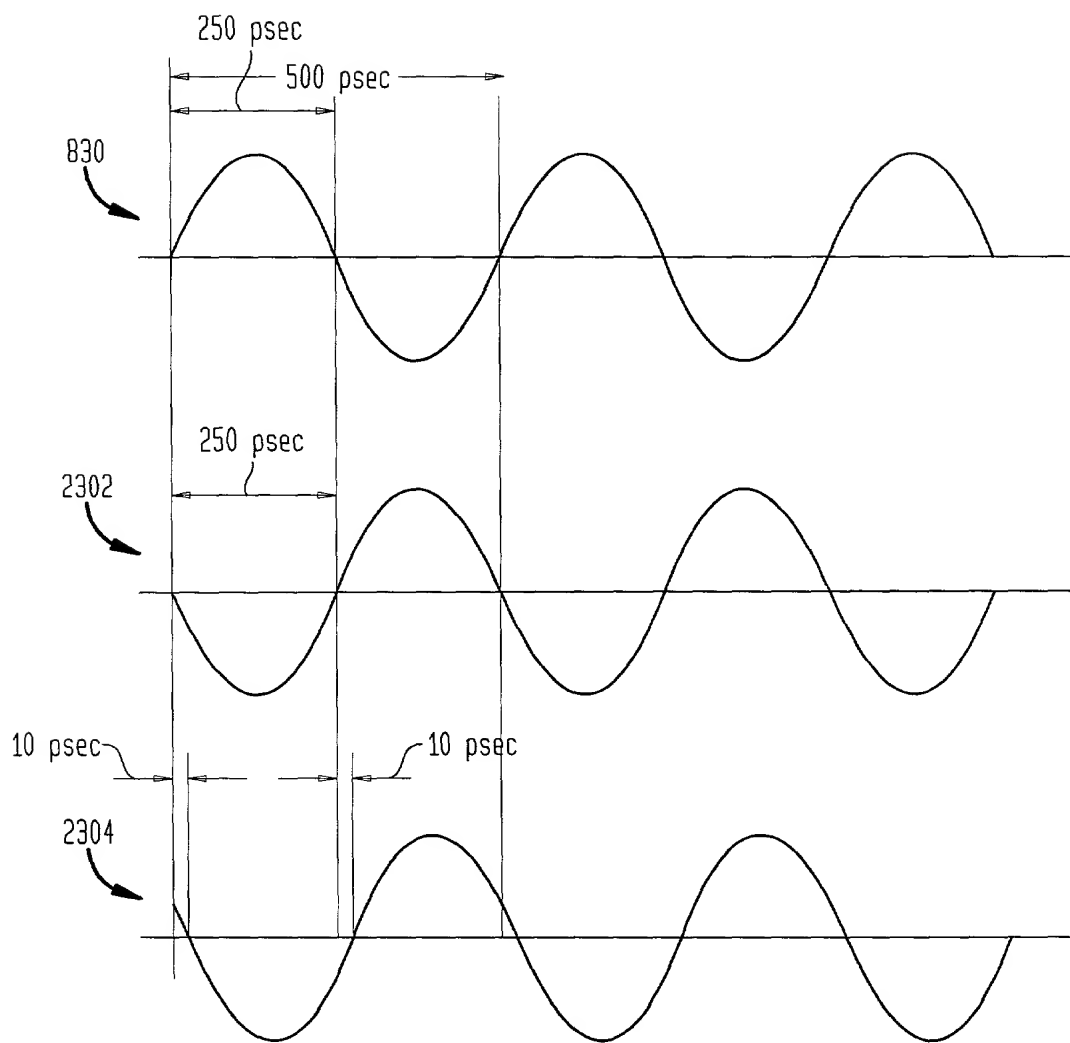
20/27

FIG. 22



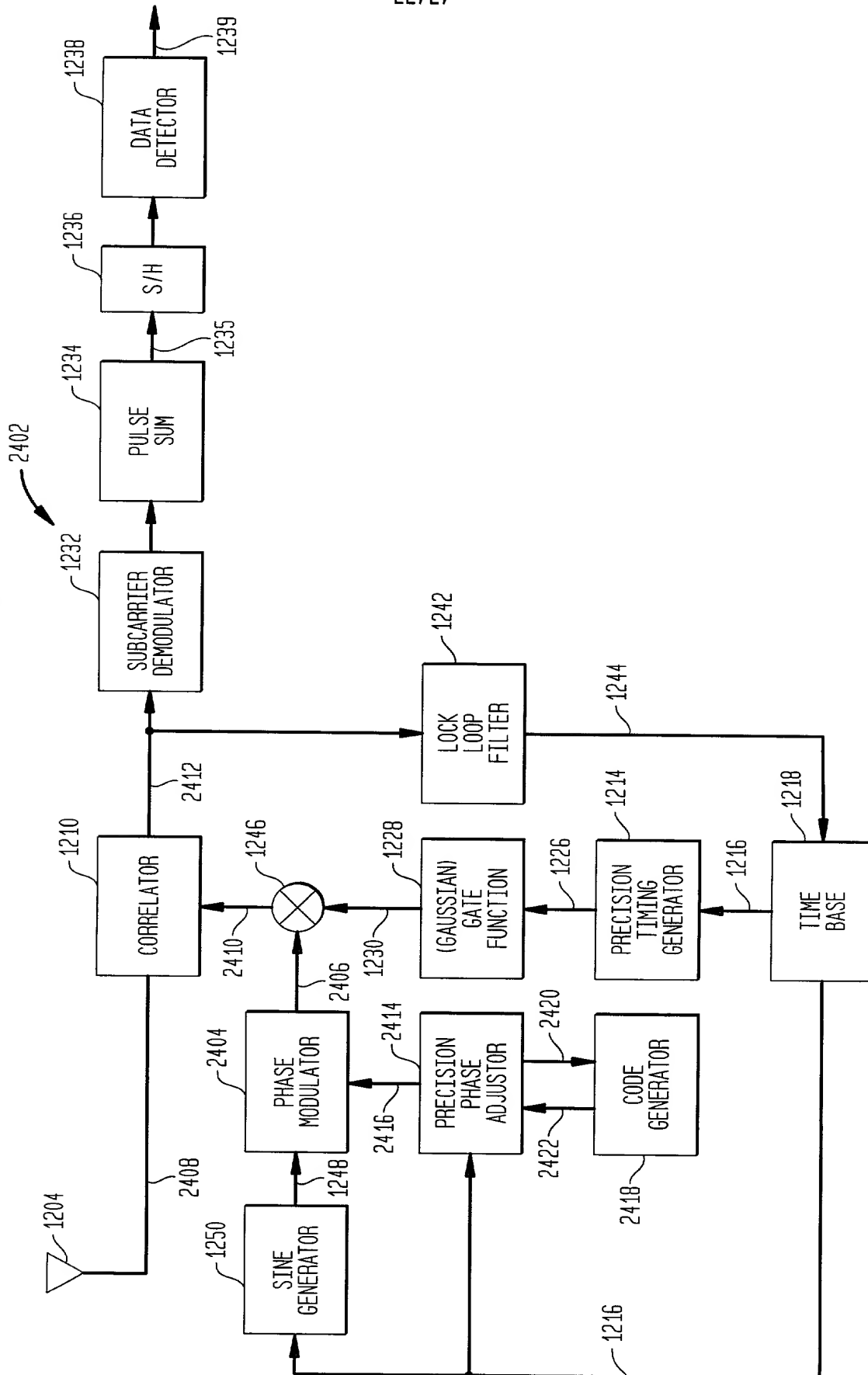
21/27

FIG. 23



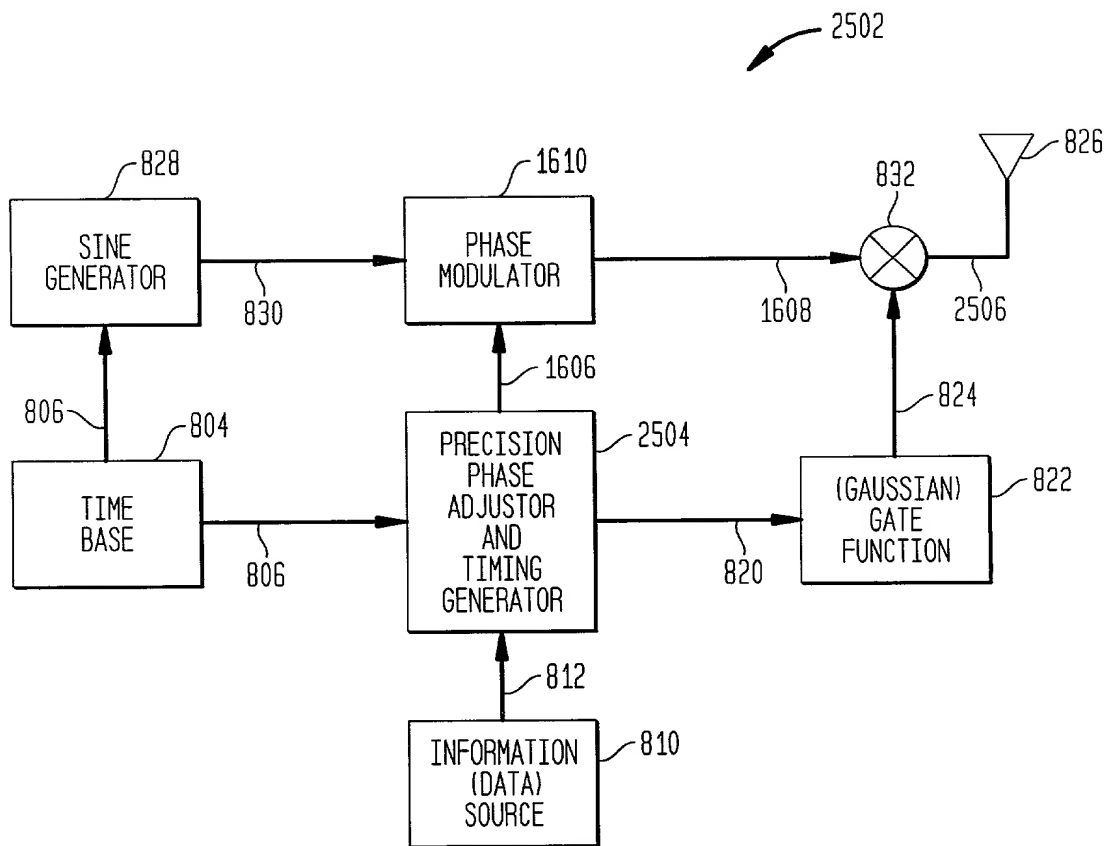
22/27

FIG. 24



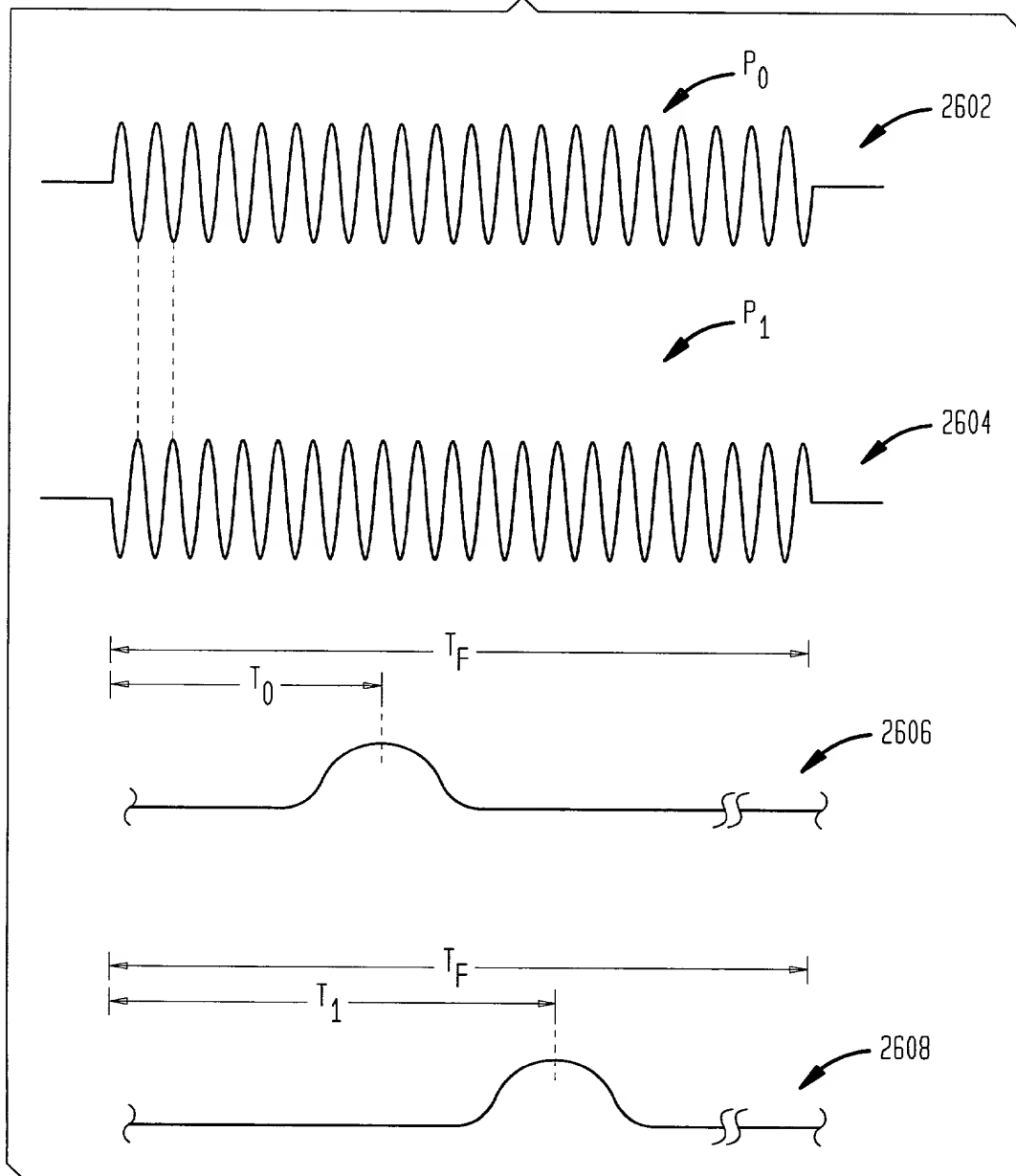
23/27

FIG. 25



24/27

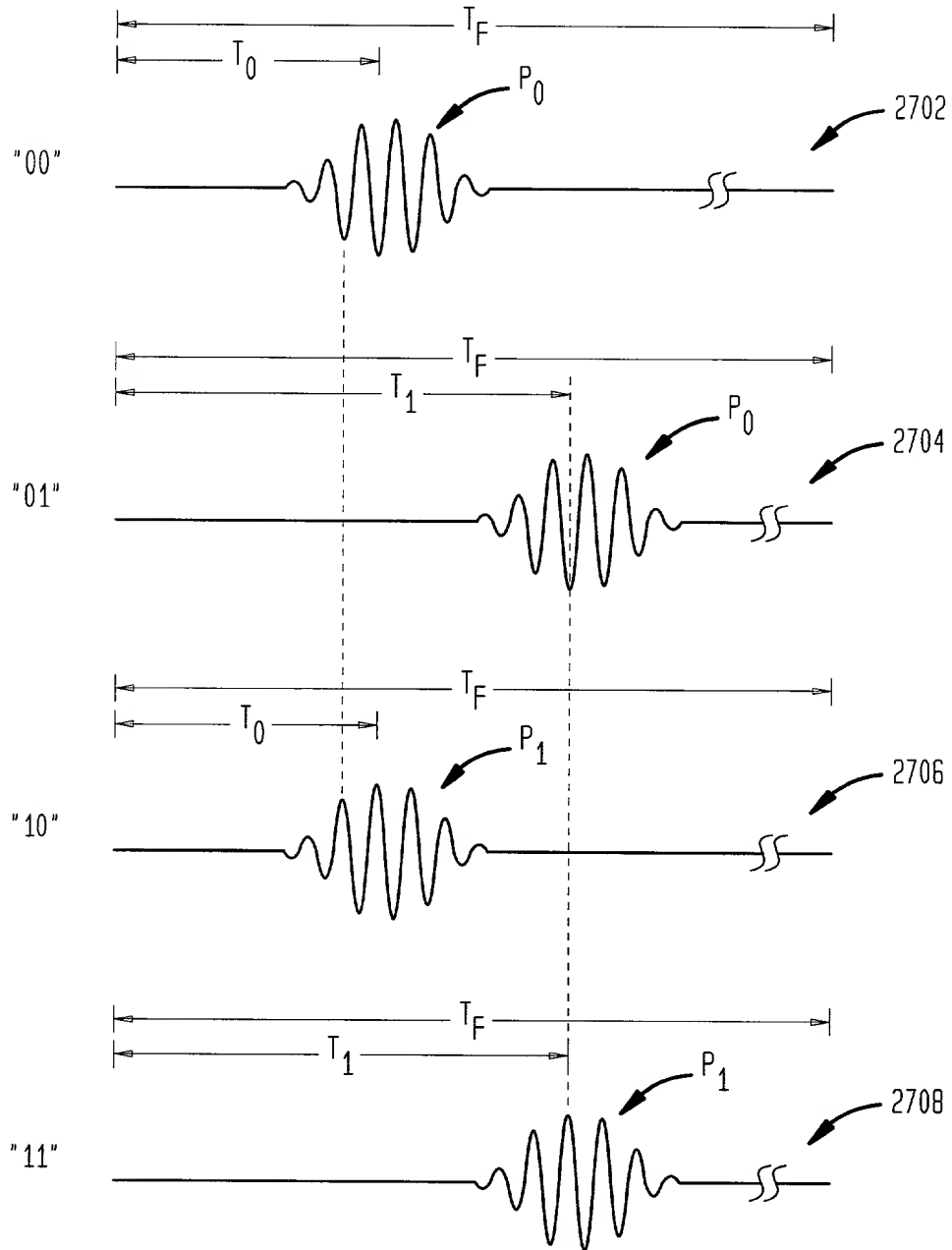
FIG. 26





25/27

FIG. 27



26/27

FIG. 28

